

UTILITY PATENT APPLICATION TRANSMITTAL (Only for new nonprovisional applications under 37 C.F.R. 1.53(b))		Attorney Docket No.	SUN-P9643
		First Inventor	Srinivasan Subramanian et al.
		Title	METHOD AND APPARATUS FOR MEMORY REDUNDANCY AND RECOVERY FROM UNCORRECTABLE ERRORS
		Express Mail Label No.	EV310852726US

APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents.	ADDRESS TO: Commissioner for Patents Mail Stop Patent Application P.O. Box 1450 Alexandria VA 22313-1450
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1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)
 (Submit an original and a duplicate for fee processing)

2. ☐ Applicant claims small entity status.
 See 37 C.F.R. 1.27.

3. ☒ Specification [Total Pages 22]
 (Preferred arrangement set forth below)
 - Descriptive title of the invention
 - Cross Reference to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to sequence listing, a table, or a computer program listing appendix
 - Background of the invention
 - Brief Summary of the invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure

4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 3]

5. Oath or Declaration [Total Sheets 4]
 a. ☒ Newly executed (original or copy)
 b. ☐ Copy from a prior application (37 CFR 1.63 (d))
 (for a continuation/divisional with Box 18 completed)
 i. ☐ **DELETION OF INVENTOR(S)**
 Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).

6. ☐ Application Data Sheet. See 37 CFR 1.76

7. ☒ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
 8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
 a. ☐ Computer Readable Form (CRF)
 b. Specification Sequence Listing on:
 i. ☐ CD-ROM or CD-R (2 copies); or
 ii. ☐ paper
 c. ☐ Statements verifying identity of above copies

ACCOMPANYING APPLICATIONS PARTS

9. ☒ Assignment Papers (cover sheet & document(s))
 10. ☐ 37 C.F.R. 3.73(b) Statement of Attorney (when there is an assignee)
 11. ☐ English Translation Document (if applicable)
 12. ☐ Information Disclosure Statement (IDS)/PTO-1449 [Copies of IDS Citations]
 13. ☐ Preliminary Amendment
 14. ☒ Return Receipt Postcard (MPEP 503) (Should be specifically itemized)
 15. ☐ Certified Copy of Priority Document(s) (if foreign priority is claimed)
 16. ☐ Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
 17. ☒ Other: Return postcard

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:
☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No. _____ /
 Prior application information: Examiner _____ Art Unit: _____

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS

☐ Customer Number or Bar Code Label (Insert Customer No. or Attach bar code label here) or ☒ Correspondence address below

Name	David B. Ritchie THELEN REID & PRIEST LLP				
Address	P.O. Box 640640				
City	San Jose	State	CA	Zip Code	95164-0640
Country	United States	Telephone	408.292.5800	Fax	408.267.8040

Name (Print/Type)	David B. Ritchie	Registration No. (Attorney/Agent)	31,562
Signature		Date	July 21, 2003

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed applications form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.
 If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

03500 U.S. PTO
 107 624629
 07/21/03

FEE TRANSMITTAL for FY 2003

Effective 01/01/2003, Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 1132

Complete If Known

Application Number (to be assigned)
Filing Date July 21, 2003
First Named Inventor Srinivasan Subramanian, et al.
Examiner Name (to be assigned)
Group / Art Unit (to be assigned)
Attorney Docket No. SUN-P9643

METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit card ☐ Money ☐ Other ☒ None
☒ Deposit Account:

Deposit Account Number 50-1698

Deposit Account Name THELEN REID & PRIEST LLP

The Commissioner is authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☐ Credit any overpayments
☐ Charge any additional fee(s) during the pendency of this application
☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
1001	750	2001	375	Utility filing fee	750
1002	330	2002	165	Design filing fee	
1003	520	2003	260	Plant filing fee	
1004	750	2004	375	Reissue filing fee	
1005	160	2005	80	Provisional filing fee	
SUBTOTAL (1)					(\$ 750)

2. EXTRA CLAIM FEES

Total Claims	25	-20 **	=	5	X	18	=	90
Independent Claims	6	-3 **	=	3	X	84	=	252
Multiple Dependent	0				X	280	=	0

Large Entity	Fee Code	Fee (\$)	Small Entity	Fee Code	Fee (\$)	Fee Description
1202	18	2202	9	2202	9	Claims in excess of 20
1201	84	2201	42	2201	42	Independent claims in excess of 3
1203	280	2203	140	2203	140	Multiple dependent claim. If not paid
1204	84	2204	42	2204	42	** Reissue independent claims over original patent
1205	18	2205	9	2205	9	** Reissue claims in excess of 20 and over original patent
SUBTOTAL (2)					(\$ 342)	

** or number previously paid, if greater. For Reissues, see above

FEE CALCULATION (continued)

Large Entity	Fee Code	Fee (\$)	Small Entity	Fee Code	Fee (\$)	Fee Description	Fee Paid
1051	130	2051	65	2051	65	Surcharge - late filing fee or oath	
1052	50	2052	25	2052	25	Surcharge - late provisional filing fee or cover sheet	
1053	130	1053	130	1053	130	Non-English specification	
1812	2,520	1812	2,520	1812	2,520	For filing a request for reexamination	
1804	920*	1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
1251	110	2251	55	2251	55	Extension for reply within first month	
1252	410	2252	205	2252	205	Extension for reply within second month	
1253	930	2253	465	2253	465	Extension for reply within third month	
1254	1,450	2254	725	2254	725	Extension for reply within fourth month	
1255	1,970	2255	985	2255	985	Extension for reply within fifth month	
1401	320	2401	160	2401	160	Notice of Appeal	
1402	320	2402	160	2402	160	Filing a brief in support of an appeal	
1403	280	2403	140	2403	140	Request for oral hearing	
1451	1,510	1451	1,510	1451	1,510	Petition to institute a public use proceeding	
1452	110	2452	55	2452	55	Petition to revive - unavoidable	
1453	1,360	2453	680	2453	680	Petition to revive - unintentional	
1501	1,360	2501	680	2501	680	Utility issue fee (or reissue)	
1502	470	2502	235	2502	235	Design issue fee	
1503	630	2503	315	2503	315	Plant issue fee	
1460	130	1460	130	1460	130	Petitions to the Commissioner	
1807	50	1807	50	1807	50	Processing fee under 37 CFR 1.17 (g)	
1808	180	1808	180	1808	180	Submission of Information Disclosure Sheet	
8021	40	8021	40	8021	40	Recording each patent assignment per property (times number of properties)	40
1809	750	2809	375	2809	375	Filing a submission after final rejection (37 CFR § 1.129(a))	
1810	750	2810	375	2810	375	For each additional invention to be examined (37 CFR § 1.129(b))	
1801	750	2801	375	2801	375	Request for Continued Examination (RCE)	
1802	900	1802	900	1802	900	Request for expedited examination of a design application	

Other fee (specify)

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ 40)

SUBMITTED BY

Name (Print/Type) David S. Ritchie
Signature [Signature]

Registration No. Attorney/Agent/

31,562

Complete (if applicable)

Telephone 408.292.5800

Date July 21, 2003

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